



474299

HAZARDOUS WASTE FACILITIES - WASTE HANDLING

AREA: Waste Pickle Liquor Storage Tanks

<u>Waste</u>	<u>Waste No.</u>	<u>Hazard Code</u>	<u>Handling Code</u>
Pickle Liquor	K062	(C, T)	302

REQUIREMENTS:

Each truck load will be accompanied by a hazardous waste manifest supplied by the Accounting Department (extension 202). When the unloading operation is completed, the Unit Area Foreman will:

1. Sign and Date 6 - part manifest to verify waste was received by hazardous waste hauler.
2. Have hauler sign and date manifest to verify he accepted hazardous waste.
3. Record this transaction on your Hazardous Waste Handling Record.

Guard at Collins Street Gate will remove manifest parts 5 and 6 when hauler leaves plant. The Plant Guard will then return these two manifest sheets to the Accounting Department.

The amount of Spent Pickle Liquor transferred into the storage tanks must be recorded. The Unit Foreman must record pertinent data on the Hazardous Waste Handling Record.

1. Date
2. Handling Code - 302
3. Amount - (Gallons)
4. Area - Red Cleaning House
5. Description - Spent Pickle Liquor, K062
6. Analysis - not applicable
7. Each Foreman initials his receiving or unloading entry.

IMPORTANT

To be in compliance with R.C.R.A. regulations, all hazardous waste Pickle Liquor generated must be shipped off-site in 90 days or less from date of initial generation. Foreman will be responsible to maintain accurate hazardous waste handling records, which will be used for annual reporting to the United States Environmental Protection Agency.

U. S. STEEL CORPORATION - JOLIET WORKS

WASTE PICKLE LIQUOR STORAGE TANKS

HAZARDOUS WASTE HANDLING RECORD

<u>Date</u>	<u>Handling Code</u>	<u>Amount</u>	<u>Area</u>	<u>Waste Description</u>	<u>Analysis</u>	<u>Amount to Hauler</u>	<u>Manifest Number</u>	<u>Foreman's Initials</u>
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NOTE: U.S. EPA Regulations requires record kept on file 3 years.

HAZARDOUS WASTE FACILITIES - WASTE HANDLING

AREA: Splice Bar Mill
Empty Container(s) - Waste Chemical Residue(s) Storage

WASTE: Potentially hazardous chemical containers, residues or material.
As per attached list.

REQUIREMENTS:

The hazardous wastes must be identified, recorded and stored in appropriate containers. Containers holding hazardous waste must always be closed during storage, except when necessary to add or remove wastes.

Containers holding ignitable or reactive waste must be stored at least 50 feet from the plant's property line. These types of waste must be separated and protected from: open flames, sparks and excessive heat. Storage of these waste must be designated as a No Smoking Area.

Incompatible wastes or materials must not be placed in the same container, or placed in storage next to each other.

The Area Foreman will record hazardous waste received and stored in this area. The hazardous waste handling record will consist of:

1. Date - Hazardous Waste Received.
2. Handling Code - 301
3. Amount - Gallons - Pounds
4. Area - From where received.
5. Description of Waste.
6. Analysis - Unknown Waste.

NOTE: This record will be used for annual EPA report.

Accumulated chemical wastes will be taken by a registered hazardous waste hauler for off-site disposal.

Attached is a listing of chemicals and solvents identified as hazardous waste only if and when they are discarded or intended to be discarded. Containers holding these items if not emptied are also identified as a hazardous waste.

An "empty" container which previously held hazardous wastes or materials listed as Toxic Chemical (May 19, 1980 Federal Register, page 33126, "U" series substances), and all containers which have been triple rinsed using an appropriate solvent or otherwise cleaned by an equivalent method, are not themselves hazardous waste, and thus are not subject to the RCRA hazardous waste regulatory controls.

A container is considered "empty" when the person emptying it can remove no additional material by the techniques he is employing (pouring, pumping, aspirating, etc.). However, in no case will a container be considered "empty" if it contains more than one inch of residue on the bottom.

List of EPA Identification Numbers for Hazardous Wastes in Small Quantities--Johet Works

DISCARDED COMMERCIAL CHEMICAL RESIDUE

<u>EPA HW</u> <u>No.</u>	<u>Commercial Name</u>
D001	Betz Slimicide J-12
D001	Miscellaneous Solvent
D002	Balanced Polymer 5000
D002	Polynondic 617
D002	Betz 408A
D002	Betz 430
D002	Miscellaneous Spent Acids
U002	Acetone
U044	Cloroform
U117	Ethyleter
U131	Hydrofluoric Acid
U154	Methanol
U223	Trichloroethene

U. S. STEEL CORPORATION - JOLIET WORKS

SPlice BAR MILL
CONTAINER - STORAGE WASTE CHEMICALS

HAZARDOUS WASTE HANDLING RECORD

<u>DATE</u>	<u>HANDLING CODE</u>	<u>AMOUNT</u>	<u>AREA</u>	<u>DESCRIPTION</u>	<u>ANALYSIS</u>
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SECTION 2

MANIFEST PROCEDURE

Under Federal and State EPA regulations, all Special or Hazardous wastes generated at the Works that are transported off-plant property for treatment, storage or disposal must be accompanied by a Manifest.

Operating department is responsible for the procurement and preparation of the Manifest. Accounting department will provide the assistance and guidance in preparing the Manifest.

In certain areas where around-the-clock hauling is expected, primarily sludge generation, a supply of preprinted Manifests should be prepared and be available at the loading site. In all areas, the Manifest must be prepared prior to the truck's arrival at the gate. The prepared Manifest should include the portion pertaining to the generator, waste hauler, destination and the waste name, phase and hazard class. At the loading site, the Operating field representative will fill the weight, quantity and method of shipment. He will then date and sign the Manifest (handwritten signature) and give the entire Manifest to the hauler.

The hauler signs in the space for authorized signature and fills in the date. The hauler then proceeds to *COLLINS* Street Gate where plant security reviews the Manifest for completeness and retains Parts 5 and 6 before allowing the hauler to leave the plant's premises. Parts 5 and 6 will be picked up by the Accounting Department.

The hauler then takes the remaining 4 copies of the Manifest with him to the facility accepting the waste. When the facility signs and dates the last 4 copies, the site will give Part 4 to the hauler. Keep Part 3 for their records. Mail Part 2 to the Illinois EPA and mail Part 1 back to the generator. This procedure will be applied with for all special and hazardous waste off-site shipments to all disposal sites except U.S.S. Gary Works.

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND POLLUTION CONTROL
SPECIAL WASTE HAULING MANIFEST
WASTE GENERATOR

00874

USEPA - - - - -
Authorization Number 76168

U. S. Steel Corp.

(Company Name)

3426 N. 89th St.

Address

Chicago

City

Ill.

State

60617

Zip

0316000128

Generator Number

WASTE HAULER(S)

901 W. 155th St.

Co. Holland, Ill. 60473

Hauler Address

S.W.H. Registration Number 0079008

25

USEPA - - - - -
S.W.H. Registration Number

32

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

American Recovery

(Facility Name)

Riley Rd.

Address

East Chicago

City

Ind.

State

46312

Zip

9180890

39

Site Number

TO BE COMPLETED BY
WASTE GENERATOR

WASTE NAME: Waste Oil, Sludge & Water

WASTE PHASE: Liquid

(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW.

SHIPPING DESCRIPTION

HAZARD CLASS

THIS IS TO CERTIFY THAT THE ABOVE NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE

3/20/80

Ed Hasek
(Authorized Signature)

WASTE HAULER

QUANTITY OF WASTE RECEIVED: 3006

1 GALLONS (Circle One)

100 GALS

32

METHOD OF TRANSPORT (CIRCLE ONE)

TRUCK

TRUCK

OPEN TOP

OTHER

I HEREBY CERTIFY THAT THE ABOVE DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION INDICATED

(1) Tom Beatty
(Authorized Signature)

DATE 3/20/80

(2) _____
(Authorized Signature)

DATE / /

DISPOSAL, STORAGE, OR TREATMENT FACILITY

I HEREBY CERTIFY THAT THE ABOVE DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED.

John J. Tamm
(Authorized Signature)

RECEIVED

MAR 26 1980

DATE 3/20/80

REMARKS OR SPECIAL INSTRUCTIONS

E.P.A. - D.L.P.C.
STATE OF ILLINOIS

SECTION 3

HAZARDOUS WASTE FACILITIES - TRAINING

AREA: Waste Pickle Liquor Storage Tanks

DESCRIPTION:

Spent Pickle Liquor from the Rod Cleaning House is collected in a cistern and pumped directly to one of four rubber lined steel storage tanks. From the storage tanks, the waste is pumped into a registered waste hauler's tanker truck for off-site disposal. EPA regulations apply to storage and manifesting of waste.

JOBS:

The following jobs are responsible for the safe transferring, storage, unloading, record keeping, and verification of waste being transported off-site for disposal.

1. Unit Area Foreman: Responsible for transferring of spent pickle liquor for storage or off-site disposal through supervising employees. Responsible for record keeping and verification of waste pickle liquor for off-site disposal. Responsible for daily storage tank inspection through supervising employees, and for the training of employees or others involved in the job.
2. Assigned Waste Handler: Responsible for transferring spent pickle liquor for storage or off-site disposal.
3. Maintenance Foreman: Responsible for weekly storage tank construction material inspection.

TRAINING:

Each Foreman is familiar with the Hazardous Waste Emergency and Contingency Plan. These plans specify emergency response procedures and describe available emergency equipment. Foremen are also familiar with procedures required to safely transfer and unload waste pickle liquor at the storage tank.

Each waste handler will review the Hazardous Waste Emergency and Contingency Plan under the direction of his Foreman. They will also review job procedures to learn and maintain proper techniques.

Foreman will periodically observe the workers on the job to verify that they are performing the jobs satisfactorily. Annually, each individual qualified to perform his job will be given a complete review of hazardous waste handling, and emergency and contingency plans.

HAZARDOUS WASTE FACILITIES - TRAINING

AREA: Splice Bar Mill
Empty Container(s) - Waste Chemical Residue(s) Storage

DESCRIPTION:

Discarded hazardous residue(s) and/or containers must be identified, recorded and be appropriately stored. EPA regulations apply to: ignitable, reactive and incompatible wastes, use and management of containers, and storage.

JOBS:

The following jobs are responsible for the storage and safe handling of hazardous waste containers, residues or materials.

AREA FOREMAN:

Responsible for the identification, storage, disposal and recording of hazardous containers, residues or material. Responsible for daily inspections through supervision of personnel. Responsible for training of personnel involved in the job. Provides protective wearing apparel; i.e., rubber gloves, apron, boots or suits as jobs require.

ASSIGNED WASTE HANDLER:

Responsible for proper storage and labeling of hazardous wastes in appropriate containers. Transfers compatible wastes into one container until full. Keeps incompatible wastes separated from others. Keeps ignitable or reactive wastes away from open flames, sparks or excessive heat sources. Inspects stored containers for leaks and deterioration caused by corrosion and other factors.

TRAINING:

Each Foreman is familiar with the Hazardous Waste Emergency and Contingency Plan. These plans specify emergency response procedures and describe available emergency equipment. Foremen are also familiar with procedures required to safely use and store hazardous containers, residues or materials.

Each waste handler will review the Hazardous Waste Emergency and Contingency Plan under the direction of his Foreman. They will also review job procedures to learn and maintain proper techniques.

Foreman will periodically observe the workers on the job to verify that they are performing the jobs satisfactorily. Annually, each individual qualified to perform his job will be given a complete review of hazardous waste handling, and emergency and contingency plans.

HAZARDOUS WASTE FACILITIES - TRAINING RECORD

NAME & PAYROLL NO.	JOB POSITION	EMERGENCY PLAN REVIEW DATE COMPLETED	CONTINGENCY PLAN REVIEW DATE COMPLETED	JOB PROCEDURES REVIEW	
				DATE COMPLETED	TITLE OF JOB

SECTION 4

U. S. STEEL CORPORATION

HAZARDOUS WASTE FACILITIES - INSPECTION

AREA: Waste Pickle Liquor Storage Tanks

REQUIREMENTS:

Daily inspections, on each operating day, are required on: discharge control equipment to insure it is in good working condition, gather data from monitoring equipment to insure unit is being operated according to its design, and to record level of waste in uncovered tanks to prevent spills.

Weekly inspections are required on the construction materials of the tank to detect corrosion or leaking of fixtures or seams, and construction materials of and the area immediately surrounding the discharge confinement structure (e.g., dikes) to detect erosion or obvious signs of leakage.

Record daily and weekly data on the Hazardous Waste Inspection Sheet:

Daily: (Unit Area Foreman)

A. Discharge control equipment and unit monitors.

1. Date
2. Discharge Pump
3. Discharge Valve
4. Unloading Hose
5. Tank Waste Levels

Weekly: (Maintenance Foreman)

B. Construction material condition.

1. Date
2. Storage Tank Structures
3. Surrounding Structure at tank
4. Waste Acid Truck Loading Area

Tank level data is obtained from the float gauge mounted on the side of each tank and recorded on the Daily Inspection sheet. All other items are to be recorded as "Good" or "Not Good". If "Not Good", list reason and corrective action taken.

Inspector will date and sign the Inspection Sheet and then return Inspection Sheet to his Foreman. Inspection Sheet to remain on file for a period of three years.

NOTE: Any deterioration or malfunction of equipment or structure revealed by the inspection must be scheduled for repairs which ensures that the problem does not develop into an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action must be taken immediately.

U. S. STEEL CORPORATION - JOLIET WORKS
HAZARDOUS WASTE FACILITIES - INSPECTION SHEET

Date: _____

Inspector: _____

AREA: Waste Pickle Liquor Storage Tanks

DAILY INSPECTION

(DISCHARGE CONTROL EQUIPMENT)

COMMENTS

DISCHARGE PUMP AND VALVES

UNLOADING HOSE

(MONITORS)

NO. 1 TANK LEVEL

NO. 2 TANK LEVEL

NO. 3 TANK LEVEL

NO. 4 TANK LEVEL

NOTE: EPA regulation requires inspection record be kept on file for 3 years.

U.S. STEEL CORPORATION - JOLIET WORKS
HAZARDOUS WASTE FACILITIES - INSPECTION SHEET

Date: _____

Inspector: _____

AREA: Waste Pickle Liquor Storage Tanks

WEEKLY INSPECTION

(Construction Material Condition)

COMMENTS

STORAGE TANK STRUCTURES

SURROUNDING STRUCTURE AT TANKS

WASTE ACID TRUCK LOADING AREA

NOTE: EPA regulation requires inspection sheet be kept on file for 3 years.

U. S. STEEL CORPORATION
JOLIET WORKS

HAZARDOUS WASTE FACILITIES - INSPECTION

AREA: Splice Bar Mill
Empty Container(s) - Waste Chemical Residue(s) Storage

REQUIREMENTS:

The container storage area must be inspected at least once per week. Look for signs of container leakage and deterioration caused by corrosion or other factors. Record data on the Hazardous Waste Inspection Sheet.

1. Date
2. Area
3. Storage Area Condition - Record "Good" or "Not Good". If "Not Good", list reason and corrective action taken.

Any containers showing signs of corrosion or leakage must be discarded, and transfer hazardous waste into a container in good condition. Discard the scrap container for recycle or disposal.

Inspector will date and sign the Inspection Sheet and then return Inspection Sheet to his Foreman. Inspection Sheet to remain on file for a period of three years.

U. S. STEEL CORPORATION - JOLIET WORKS

HAZARDOUS WASTE FACILITIES - INSPECTION SHEET

Date: _____

Inspector: _____

AREA: SPLICE BAR MILL CONTAINER STORAGE
CHEMICAL RESIDUE(S)

COMMENTS

STORAGE AREA CONDITIONS

Section 5

HAZARDOUS WASTE ANALYSIS

Waste Pickle Liquor - 24 Beams - 12/17/80.

General Physical Description:

Color: Blue Green

Odor: Acid

Consistency: Heavy Liquid

ANALYSIS	As Rec'd, mg/l	Extraction Procedure Extract, mg/l
Acidity	2.04%	
pH	0.5	
Suspended Solids	86	
Arsenic		0.04
Barium		< 0.5
Cadmium		0.32
Chromium	30	7.0
Lead		< 0.2
Mercury, ppb		0.30
Selenium		< 0.005
Silver		0.27
Iron	12%	4.7%

Testing of waste will not be repeated unless we have reason to believe that the process or operation generating this waste has changed.

Sampling Method - A one quart glass jar is dipped into spent acid tub to obtain sample prior to transferring waste to storage tank. Sample jar is identified, dated and sent out for analysis.

SECTION 6

CONTINGENCY PLAN FOR
EMERGENCIES INVOLVING HAZARDOUS WASTE MATERIALS

PURPOSE

This plan outlines procedures for fires, explosions, or releases of hazardous wastes to air, ground or surface water from Joliet Works Plant facilities. The procedures are meant to minimize hazards to human health or environment caused by problems with hazardous wastes.

The provisions of this plan must be immediately implemented whenever there is a fire, explosion or release of hazardous waste from a designated area which could threaten human health or the environment.

DESIGNATED AREAS

The following areas at Joliet Works have been designated as hazardous waste treatment or storage facilities under EPA regulations.

<u>Areas</u>	<u>Map Location</u>
1. Splice Bar Mill - Empty Container(s) Waste Chemical Residue Storage	HWS-1
2. Waste Pickle Liquor Storage Tanks	HWS-2

This contingency plan is specifically intended for emergencies involving designated hazardous waste only in the areas listed above.

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

EMERGENCY COORDINATOR

Emergency procedures detailed in this plan are directed by the Division Superintendent Joliet Rod Mill.

H.D. Workman	Extension 412	2906 Sheffield Dr. New Lenox, Ill. 60451	(815) 722-1981
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In the absence of the Division Superintendent, responsibility will revert to the Department Superintendent - Central Maintenance.

J. Stash	Extension 310	1010 E. 8th St. Lockport, Ill. 60441	(815) 838-2516
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or, in his absence the following members on his staff:

D. Skolda Supervisor-Utilities	Extension 438	1212 John Street Joliet, Ill. 60435	(815) 725-7330
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W. Petan Maintenance-Engineer	Extension 309	1908 N. Highland Joliet, Ill. 60435	(815) 723-5703
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on night turns, weekends or holidays, response to the emergency will be directed by and in the following sequence of responsibility as determined by scheduling of Plant's activity:

- | | |
|--------------------------------------|---------------------|
| 1. Assigned Maintenance Foreman | Extension 344 |
| 2. Operating Rod-Dock Foreman | Extension 351 - 352 |
| 3. Maintenance Turn Pipe Fitter | Extension 332 |
| 4. Plant Guard (Plant Blackout-only) | Extension 245 - 246 |

He will assume the responsibilities as Emergency Coordinator until the Area Supervisor can reach the plant.

Once the Area Supervisor reaches the plant, he will assume responsibility as Emergency Coordinator for a problem in his area:

M. Sasso Waste Pickle Liquor Storage Tanks	Extension 351	324 Reedwood Dr. Joliet, Ill. 60435	(815) 725-5726
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D. Skolda Waste Chemical Residue - Storage	Extension 438	1212 John Street Joliet, Ill. 60435	(815) 725-7330
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Initial response to the emergency will be directed by the Unit Foreman. He will receive instructions from the Emergency Coordinator or his designate. Response will be according to the procedures provided in this plan.

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

COMMUNICATIONS

A. Internal

All hazardous waste incidents or potential incidents are to be immediately reported to the Plant's Security Guard, Collins Street Gate, Extension 245 or 246 (on duty 24 hours - 7 day/week). The Gate Guard will immediately contact the unit Area Foreman and convey all information to him.

When an imminent or actual emergency exists, the Unit Foreman will call the Collins Street Gate Guard who in turn will contact the Emergency Coordinator. The Emergency Coordinator must be immediately informed as to the location and nature of the situation.

The Emergency Coordinator or his designate will proceed to notify other personnel as required to deal with the situation:

1. Upper echelon management - (South Works)
2. Environmental Engineer - (South Works - must be informed of all incidents or potential incidents)
3. Safety Supervisor
4. Plant security forces
5. Area Maintenance Foreman
6. Other Department or Division Superintendents
7. Plant Medical Staff

Plant Protection Guards will:

1. Alert Plant dispensary.
2. Contact Supervisors in other Plant areas to alert them to the nature of the emergency.
3. Keep Main Gate clear if emergency help is required from outside plant.
4. Control traffic to and at emergency site.

Supervisory personnel in area not affected by the emergency will:

1. Notify all personnel in their area as to the nature of the emergency.
2. Be alert to protect their area from hazards or utility interruption.
3. Be prepared to shut down their operations if instructed by the Emergency Coordinator.
4. Be prepared to provide assistance to the area affected if instructed by the Emergency Coordinator.
5. Be prepared to evacuate personnel from their area if instructed by the Emergency Coordinator.

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

COMMUNICATIONS - cont'd.

B. External

Whenever there is a release, fire, or explosion involving hazardous waste, the Emergency Coordinator will identify the source, character and amount of the material released.

If the Emergency Coordinator determines that the situation will threaten facilities or environment outside the Plant boundaries, he will notify:

Amerwire Company (815) 726-7500

He will also notify the National Response Center - (800) 424-8802
This report must include:

1. Name and telephone number of reporter.
2. Name and address of facility.
3. Time and type of incident (e.g., release, fire, explosion).
4. Name and quantity of material(s) involved, to the extent known.
5. The extent of injuries, if any.
6. The possible hazards to human health, or the environment outside the Plant's boundaries.

The Emergency Coordinator, or his designate will contact the Plant Environmental Control Engineer:

W.S. Soderstrom	Extension 73-131-3501	(219) 778-4451
K. Ackerman	Extension 73-131-3503	(219) 924-1093
P. Borowy	Extension 73-131-2430	(312) 849-0172

and notify him of the danger to the environment outside the Plant boundaries. The Environmental Control Engineer will then contact other Federal, State, or County agencies as required by law.

Illinois EPA Emergency Response Center	(217) 782-3637
U.S. Coast Guard Emergency	(312) 768-8000
EPA Regional Administrator	(312) 886-6148
National Response Center	(800) 424-8802

If the Emergency Coordinator determines that the release, fire, or explosion will threaten human health in populated areas adjacent to the Plant, he will notify the threatened areas:

Joliet Fire Department	(815) 726-2401
Joliet Police Department	(815) 726-2491

Based on his assessment of the situation, the Emergency Coordinator will assist authorities in deciding whether local areas should be evacuated.

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

COMMUNICATIONS - cont'd.

C. Evacuation

If the Emergency Coordinator determines that the release, fire or explosion will threaten the health of Joliet Works personnel, he will order the evacuation of non-essential personnel.

The Emergency Coordinator will -

1. contact the Supervisor in each plant area and order evacuation. He will specify the primary or alternate evacuation route.
2. Area Supervisor will contact all personnel in his area and instruct them to begin an orderly evacuation using the primary or alternate evacuation route.

Primary Route

1. Proceed along authorized walkways to Northside of Plant.
2. Proceed along walkway (eastern direction) to Collins Street Plant Gate.
3. Exit through Plant Gate and proceed to Eastside of the visitors parking lot to await further instructions.

Alternate Route

1. Proceed along authorized walkways to Westside of Plant.
2. Proceed along West walkway to Columbia Street Plant Gate.
3. Exit through Plant Gate and proceed to West end of Parking lot to await further instructions.
3. Area Supervisor must verify that all personnel in his area have been contacted and have evacuated plant area.

D. Outside Assistance

If the Emergency Coordinator determines that the release, fire, or explosion will require assistance from outside forces or use of emergency facilities, he will contact these forces for assistance:

Emergency

Joliet Fire Department
Joliet Police Department
Silver Cross Hospital

(815) 726-2401
(815) 726-2491
(815) 729-7111

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

COMMUNICATIONS - cont'd.

D. Outside Assistance

Waste Containment/Cleanup

P. M. Cartage (Hazardous Waste)	(312) 721-7667
Transport Service Co. (Waste Acid)	(312) 563-4134

EMERGENCY RESPONSES

Release, fire, or explosion involving hazardous wastes may create an emergency situation that will affect plant areas not involved with waste handling. Plant personnel must be alert to potential hazards and use actions listed below to safely maintain plant areas during an emergency.

Fire or Explosion - Report immediately to the Plant Security Guard - Extension 245 or 246, who in turn will initiate response and notify Emergency Coordinator.

Release - Any unplanned release must be immediately reported to the Plant Security Guard - Extension 245 or 246, who will initiate response procedures and notify Emergency Coordinator. Materials released must be contained to minimize environmental damage. Use any materials available at site to control release until control equipment arrives.

In-Plant Emergency Phone Numbers

Plant Collins Street Gate Guard	245 or 246
Dispensary	251 or 252
Plant Safety Supervisor	221

EMERGENCY EQUIPMENT

Overall plant facilities are protected by emergency equipment suitable for use in any plant area.

A. General Plant Protection:

Plant Fire Alarm System

The central fire alarm system is located in the Collins Street Gate House. This coded "Gamewell" alarm system will signal a fire alarm turned in from any of the manual pull type alarm box strategically located throughout the plant.

A fire alarm can also be initiated by telephone (extension 245 or 246) by the Plant Security Guard.

The fire alarm systems are monitored by the Plant Security Guard (24 hrs., 7 day/week). Upon receiving alarm, he can notify City Fire Department and available plant personnel.

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

EMERGENCY EQUIPMENT - cont'd.

Fire Extinguishers

Extinguishers listed below are available within the various plant areas:

<u>Amount</u>	<u>Description</u>
2	150 lb. Dry Chemical Wagon Fire Extinguishers
34	2.5 gal. Pressure Water " "
19	20 lb. Dry Chemical Purple K "
35	10 lb. Carbon Dioxide " "
67	20 lb. Dry Chemical " "
29	30 lb. Dry Chemical " "

Fire Hose

Six-hundred (600) feet of 1-1/2" hose stored at old fire house station.

Three-hundred (300) feet of 2-1/2" hose stored at old fire house station.

One-hundred (100) feet of 2-1/2" hose stored at water treatment plant.

Fire Hydrants

There are 24 fire hydrants strategically located throughout the plant. The 50 psi plant service water main distributes water to all fire hydrants.

Foamite Station

The foamite house is located south of the boiler house fuel oil storage tank.

Eight (8) 20 lb. foam containers are stored at the old fire house station.

One (1) 40 lb. foam container is stored at the old fire house station.

Spill Control Equipment

In the event of a release of hazardous waste to ground inside the plant, spill control materials are available for containment and neutralization of wastes.

1. Mobile equipment to transport men and/or material to the emergency site as follows:
 - one 3/4 ton pickup truck
 - one 4 ton dump truck
 - one 2.5 ton stake truck

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

EMERGENCY EQUIPMENT

Spill Control Equipment - cont'd.

2. Front-end loader
3. Specified area to store hazardous waste spill cleanup operation.
(No. 2 Set Splice Bar Mill)
4. Approved D.O.T. barrels for hazardous waste spill cleanup.
5. Bags of absorbent and neutralization material stored at Boiler House and Billet conditioning building. This material can be moved quickly to the release site.
6. Rope, warning flags or signs to isolate area of unplanned release of hazardous waste.
7. Sufficient portable lighting in the event cleanup continues into the night hours.

Personnel Protective Equipment

All plant employees are issued the following protective equipment:

1. Hard Hat
2. Safety Glasses with screen side shields
3. Safety shoes with metatarsal guard.

Other protective equipment available when required:

1. Rubber suits, apron and gloves.
2. Full face shield - acid goggles.
3. Self-contained breathing apparatus
(For use in areas where insufficient oxygen or toxic fumes are present)
4. Respirators - suitable for filtration of low concentrations of dust and organic vapors.

B. Designated Area Protection

Splice Bar Mill - Empty Container(s) Waste Chemical Residue Storage:

1. Material under roof within confines of building.
2. Fire Extinguisher
One - 30 lb. dry chemical fire extinguisher
3. Fire Hydrants
a No. 16 located west of building near water strainer house.
a No. 17 located at northwest end of building.

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

B. Designated Area Protection - cont'd.

Waste Pickle Liquor Storage Tanks

1. Tanks are rubber lined and steel constructed.
2. Fire Extinguisher
Across roadway in rod storage building.
3. Fire Hydrant
No. 15 located north of storage tanks.

SECTION 7

Contingency Plan For
Emergencies Involving Hazardous Waste Materials

POST-EMERGENCY PROCEDURES

Immediately following emergency responses to a fire, explosion, or release, the Emergency Coordinator will -

1. proceed to contain and remove to a licensed disposal site any remaining hazardous waste materials or residues remaining from emergency actions.
2. verify that emergency equipment used during the response is cleaned and ready for use before resuming operations.
3. verify that cleanup is complete before resuming any disposal or storage at designated hazardous waste areas.

The Emergency Coordinator must notify the EPA Regional Administrator, at (312) 886-6148, and appropriate State and County authorities that items 1, 2, 3 above have been completed before operations can resume in the affected area of the Plant.

The Area Supervisor will note in the operating log of the designated waste disposal area the time, date, and details of any incident which has required implementation of this contingency plan.

Within 15 days after the incident, the Plant Superintendent will submit a written report to the EPA Regional Administrator (Karl J. Klepitsch Jr., Chief Waste Management Branch, 230 S. Dearborn Street, Chicago, Illinois 60604).

Report must include:

1. Name, address, and telephone number of the owner or operator.
2. Name, address, and telephone number of the facility.
3. Date, time, and type of incident (e.g., fire, explosion).
4. Name and quantity of material(s) involved.
5. The extent of injuries, if any.
6. An assessment of actual or potential hazards to human health or the environment, where this is applicable.
7. Estimated quantity and disposition of recovered material that resulted from the incident.